

**MOLD WITH METAL OXIDE SURFACE COMPATIBLE  
WITH IONIC RELEASE AGENTS**

Abstract of the Disclosure

5 A method and a system for fabricating articles made from thermoset resins  
using an ionic mold release agent. The invention uses a mold having a metal oxide  
surface with enhanced mold release characteristics. The release agent is applied  
internally in the resin composition or externally on the metal oxide surface. The  
method includes providing a mold, forming a metal oxide surface on the mold,  
providing an ionic release agent, providing the acid or base conjugate of the release  
10 agent at the metal oxide surface, providing a thermoset resin in the mold, and curing  
the resin in the mold. A method of using float glass having a  $\text{SnO}_2$  enriched surface,  
wherein the method includes the steps of providing an ionic release agent externally  
to the tin oxide surface, is also disclosed.